

Prof. Hüseyin Toros

Personal Information

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Education Information

Associate Degree, Anadolu Üniversitesi, Açıköğretim Fakültesi, Yönetim Ve Organizasyon Bölümü, Turkey 2012 - 2015

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Meteoroloji Mühendisliği Anabilim Dalı, Turkey 1994 - 2000

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Meteoroloji Mühendisliği Anabilim Dalı, Turkey 1991 - 1993

Under Graduate, İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, Meteoroloji Mühendisliği Bölümü, Turkey 1984 - 1989

Foreign Languages

English

Certificates, Courses and Trainings

Education Management and Planning, Integrated Modelling of Meteorological and Chemical Transport Processes / Impact of Chemical Weather on Numerical Weather Prediction and Climate Modelling, MUSCATEN, 2011

Vocational Training, Weather Research and Forecasting (WRF) model workshop for Middle Eastern scientists, faculty, and students, UCAR, 2011

Dissertations

Doctorate, İstanbul'da asit yağışları, kaynakları ve etkileri, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Meteoroloji Mühendisliği Anabilim Dalı, 2000

Post Graduate, Klimatolojik serilerden Türkiye ikliminde trend analizi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Meteoroloji Mühendisliği Anabilim Dalı, 1993

Research Areas

Atmospheric Sciences and Meteorological Engineering, Climate, Climate Change and Climate Modeling, Environmental Engineering, Environmental Technology, Air Pollution and Control, Air Pollution Modeling, Effects of Air Pollution, Engineering and Technology

Academic Titles / Tasks

Professor, İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri, Meteoroloji, 2018 - Continues

Associate Professor, İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, Meteoroloji Mühendisliği Bölümü, 2012 - 2018

Research Assistant, İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, Meteoroloji Mühendisliği Bölümü,

2009 - 2012

Lecturer PhD, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, Bilişim (Dr), 2002 - 2009

Research Assistant, İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, Meteoroloji Mühendisliği Bölümü, 1991 - 2001

Expert, İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, Uzay Mühendisliği Bölümü, 1990 - 1991

Professional Experience

Deputy Head of Department, İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, Meteoroloji Mühendisliği Bölümü, 2013 - Continues

Assistant Director of the Institute, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2018 - 2019

Courses

Atmosfer Bilimlerine Giriş, Under Graduate, 2015 - 2016, 2016 - 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Analysis of long-term changes in extreme climatic indices: a case study of the Mediterranean climate, Marmara Region, Turkey**
Abbasnia M., Toros H.
PURE AND APPLIED GEOPHYSICS, vol.175, pp.3861-3873, 2018 (Journal Indexed in SCI)
- **Long-Term Variations of Temperature and Precipitation in the Megacity of Istanbul for the Development of Adaptation Strategies to Climate Change**
Toros H., Abbasnia M., SAĞDIÇ M., TAYANÇ M.
ADVANCES IN METEOROLOGY, 2017 (Journal Indexed in SCI)
- **DERIVATION OF PM10 LEVELS USING OBRA ON LANDSAT 5 TM IMAGES A CASE STUDY IN IZMIR TURKEY**
emre ö., Muhittin k., Suleiman M., UÇA AVCIZ. D. , Toros H.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.4, pp.1585-1596, 2015 (Journal Indexed in SCI Expanded)
- **Derivation of PM10 levels using obra on landsat 5 TM images: A case study in Izmir, Turkey**
Ozelkan E., Karaman M., Mostamandy S., Avci Z. D. U. , Toros H.
Fresenius Environmental Bulletin, vol.24, pp.1585-1596, 2015 (Journal Indexed in SCI)
- **Evaluation of the HIRLAM and HARMONIE Numerical Weather Prediction Models during an Air Pollution Episode over Greater Istanbul Area**
Toros H., GEERTSEMA G., CATS G.
CLEAN-SOIL AIR WATER, vol.42, pp.863-870, 2014 (Journal Indexed in SCI)
- **ANALYSIS OF OZONE AND ITS PRECURSORS AT AN URBANIZED AND INDUSTRIALIZED CREEK VALLEY GOLDEN HORN ISTANBUL TURKEY**
Deniz A., melike ç., İNCECİK S., TOROS H.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.0, 2013 (Journal Indexed in SCI Expanded)
- **ANALYSIS OF OZONE AND ITS PRECURSORS AT AN URBANIZED AND INDUSTRIALIZED CREEK VALLEY (GOLDEN HORN, ISTANBUL, TURKEY)**
Deniz A., Celebi H. M. , Incecik S., Toros H.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.22, pp.2524-2532, 2013 (Journal Indexed in SCI)
- **Spatio-temporal precipitation change assessments over Turkey**
Toros H.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.32, pp.1310-1325, 2012 (Journal Indexed in SCI)
- **Spatio-temporal variation of daily extreme temperatures over Turkey**
Toros H.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.32, pp.1047-1055, 2012 (Journal Indexed in SCI)

- **Case study of PM pollution in playgrounds in Istanbul**
Ozdemir H., Mertoglu B., Demir G., DENİZ A., Toros H.
THEORETICAL AND APPLIED CLIMATOLOGY, vol.108, pp.553-562, 2012 (Journal Indexed in SCI)
- **Temporal and spatial patterns of precipitation variability for annual, wet, and dry seasons in Turkey**
Ünal Y., DENİZ A., TOROS H., INCECIK S.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.32, pp.392-405, 2012 (Journal Indexed in SCI)
- **Influence of meteorological factors and emission sources on spatial and temporal variations of PM10 concentrations in Istanbul metropolitan area**
Ünal Y., TOROS H., DENİZ A., INCECIK S.
ATMOSPHERIC ENVIRONMENT, vol.45, pp.5504-5513, 2011 (Journal Indexed in SCI)
- **Spatial Variation of the Precipitation Chemistry in the Thrace Region of Turkey**
Şaylan L., CALDAG B., BAKANOGULLARI F., TOROS H., Yazgan M. S. , SEN O., OZKOCA Y.
CLEAN-SOIL AIR WATER, vol.39, pp.491-501, 2011 (Journal Indexed in SCI)
- **Spatial variations of climate indices in Turkey**
Deniz A., Toros H., INCECIK S.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.31, pp.394-403, 2011 (Journal Indexed in SCI)
- **Back Trajectory Analysis of Precipitation Chemistry in the Urban and Forest Areas of Istanbul, Turkey**
Saylan L., Toros H., SEN O.
CLEAN-SOIL AIR WATER, vol.37, pp.132-135, 2009 (Journal Indexed in SCI)
- **Spatial variability of chilling temperature in Turkey and its effect on human comfort**
Toros H., DENİZ A., SAYLAN L., Sen O., BALOGLU M.
METEOROLOGY AND ATMOSPHERIC PHYSICS, vol.88, pp.107-118, 2005 (Journal Indexed in SCI)
- **Solar energy potential for heating and cooling systems in big cities of Turkey**
Saylan L., Sen O., TOROS H., ARISOYA.
ENERGY CONVERSION AND MANAGEMENT, vol.43, pp.1829-1837, 2002 (Journal Indexed in SCI)
- **Temporal variability of the precipitation chemistry in the forest area of Istanbul, Turkey**
Saylan L., TOROS H., SEN O.
INTERNATIONAL JOURNAL OF ENVIRONMENT AND POLLUTION, vol.18, pp.508-516, 2002 (Journal Indexed in SCI)
- **Urbanization effects on regional climate change in the case of four large cities of Turkey**
Tayanc M., Toros H.
CLIMATIC CHANGE, vol.35, pp.501-524, 1997 (Journal Indexed in SCI)
- **EFFECTS OF URBANIZATION ON CLIMATE OF ISTANBUL AND ANKARA**
KARACA M., TAYANC M., TOROS H.
ATMOSPHERIC ENVIRONMENT, vol.29, pp.3411-3421, 1995 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Regional variability of temperature extremes in the maritime climate of Turkey: a case study to develop agricultural adaptation strategies under climate change**
Toros H., Mokari M., Abbasnia M.
MODELING EARTH SYSTEMS AND ENVIRONMENT, vol.5, pp.857-865, 2019 (Journal Indexed in ESCI)
- **Future changes in maximum temperature using the statistical downscaling model (SDSM) at selected stations of Iran**
Abbasnia M., Toros H.
MODELING EARTH SYSTEMS AND ENVIRONMENT, vol.2, 2016 (Journal Indexed in ESCI)

Books & Book Chapters

- **Hava Öngörüsü**
ASİLHAN S., AKATAŞ N., KAHYA C., TOPÇU H. S. , SAKARYA S., KOÇAK K., EYİGÜLER E. C. , ÇAKIR S., BORHAN Y., ŞEN N., et al.

Refereed Congress / Symposium Publications in Proceedings

- **Meteorological Evaluation of Edirne Air Pollution**
Yılmaz M., Kesaf E., Toros H., ULUBEY A., Hristova E.
10th Jubilee Conference of the Balkan-Physical-Union (BPU), Sofija, Bulgaria, 26 - 30 August 2018, vol.2075
- **Meteorological Modeling of the PM10 Episode in the Creek Valley of Golden Horn Harbour, Istanbul Under Very Stable Conditions for November 6-9, 2010 Episode**
Tanriover S. T. , Kahraman A., Incecik S., Deniz A., Toros H., Celebi H. M. , Ozturk A., Sezen I.
32nd NATO/SPS International Technical Meeting on Air Pollution Modeling and its Application, Utrecht, Netherlands, 7 - 11 May 2012, pp.685-692
- **Volatile Organic Compound analysis in İSTANBUL**
Öztürk A., ÇAPRAZ Ö., Deniz A., Toros H., Kahraman A., Sezen İ.
European Geosciences Union (EGU), Viyana, Austria, 22 - 27 April 2012, vol.1, no.1, pp.1
- **Characterization of air pollution in Kagithane creek valley (Golden Horn) of Istanbul**
Öztürk A., Deniz A., Toros H., Kahraman A., Sezen İ., Incecik S., Çelebi M.
European Geosciences Union (EGU), Viyana, Austria, 3 - 08 April 2011, vol.1, no.1, pp.13
- **PM10 air quality variations in urbanized areas and industrialized creek valley in Istanbul**
Öztürk A., Toros H., Deniz A., Incecik S., Sezen İ., Kahraman A., Çelebi H. M.
European Geosciences Union (EGU), Viyana, Austria, 3 - 08 April 2011, vol.1, no.1, pp.12
- **An Overview of Wind and Solar Energies Usage in Turkey**
Incecik S., Kahya C., Çalışkan E., Toros H.
COST ACTION ES 1002: WORKSHOP, Nice, France, 22 - 23 March 2011, pp.10-20

Supported Projects

- Toros H., Project Supported by Higher Education Institutions, Hava kalitesi ve meteorolojik model online çalıştırılması : İstanbul örneği, 2016 - 2018
- Toros H., Project Supported by Higher Education Institutions, Sürdürülebilir Bir Hayat için Havan Kalitesinin Değerlendirilmesi, 2016 - 2018
- Toros H., Project Supported by Higher Education Institutions, Uçucu Organik Bileşiklerin Ölçülmesi ve Araştırılması, 2013 - 2018
- Toros H., Project Supported by Higher Education Institutions, A Green Road Project, 2012 - 2018
- Toros H., Project Supported by Higher Education Institutions, Türkiye de 1961-1968 Yılları Arası Mevsimsel Sıcaklık Salınımları ve Değişimleri, 2011 - 2018
- Toros H., Project Supported by Higher Education Institutions, HIRLAM NWP MODELİNİN 2009 YILINDA İSTANBUL DA MEYDANA GELEN HAVA KİRLİLİĞİ EPİSODUNDA İNÇ., 2010 - 2018
- Toros H., Project Supported by Higher Education Institutions, Continentally and Oceanity indices in Turkey, 2008 - 2018
- Toros H., Project Supported by Higher Education Institutions, Evaluations on Air Pollution From Ships For Europe: Effects On Climate Change, 2007 - 2018
- Toros H., Project Supported by Higher Education Institutions, Distribution of Precipitation Quality During the Growing Period of Winter Wheat, 2006 - 2018
- Toros H., Project Supported by Higher Education Institutions, İstanbul'da Bazı Sinoptik Durumlara Göre Hava Kirliliği Üzerine Bir Durum Araştırması, 2005 - 2018
- Toros H., Project Supported by Higher Education Institutions, Türkiyenin Kuzeybatısındaki Yağışlarda pH ve EC Değişimi, 2004 - 2018

Activities in Scientific Journals

Citations

Total Citations (WOS):453

h-index (WOS):9